## **IN THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

## Listing of Claims

- 1. (Currently Amended) <u>An illumination Illumination</u> unit, in particular for a projection system device or the like, comprising:
  - [[-]] at least one primary illumination light providing portion (10) being-adapted for providing primary illumination light (L1);
  - [[-]] at least one secondary illumination light providing portion (30) being adapted for providing secondary illumination light (L2), for external use, derived from said primary illumination light (L1); and
- [[-]] at least one light selecting element (20) being disposed between and assigned to said primary illumination light providing portion (10) and said secondary illumination light providing portion (30) and being simultaneously adapted to select one or a plurality of predefined spectral components or colors of one and/or of a plurality of predefined polarization components from said primary illumination light (L1) and to thereby generate said secondary illumination light (L2) or a preform or a part thereof.

wherein said light selecting element (20) comprises a dichroic multiplayer structure (25) that is adapted to act as a dichroic spectal filter device for incident primary illumination light (L1), and

-3- 00229093

wherein said dichroic multilayer structure (25) forms at least a part of a diffractive grating structure (31) of said light selecting element (20).

- 2. (Currently Amended) An illumination Illumination unit according to claim 1, wherein said light selecting element (20) is provided with dichroic spectral selection properties or dichroic color selection properties, in particular in reflection reflexion and/or in transmission of said primary illumination light (L1).
- 3. (Currently Amended) An illumination Illumination unit according to claim 1, wherein said light selecting element (20) includes is provided with polarization selection properties and in particular with diffractive polarization selection properties, in particular in reflection and transmission of said primary illumination light (L1).
- 4. (Currently Amended) An illumination Illumination unit according to claim 1, wherein said light selecting element (20) is or is adapted to work as a diffractive dichroic beam splitter.
- 5. (Currently Amended) An illumination Illumination unit according to claim 1, wherein said light selecting element (20) is capable of reflecting of and transmitting s-polarized components of inciding incident primary illumination light (L1) and/or of transmitting of and reflecting p-polarized components of inciding incident primary illumination light (L1).
- 6. (Currently Amended) An illumination Illumination unit according to claim 1,

-4- 00229093

wherein said light selecting element (20) is capable of reflecting-or\_and transmitting said predefined spectral components or colors of inciding incident primary illumination light (L1) and/or\_of transmitting or\_and reflecting complements of said predefined spectral components or colors of said incident primary illumination light (L1).

- 7. (Currently Amended) An illumination Illumination unit according to claim 1, wherein said light selecting element (20) comprises a diffractive grating structure (21) being is adapted to act as a diffractive beam splitter device for incident primary illumination light (L1) and in particular for at least one spectral range or color thereof.
- 8. (Currently Amended) An illumination Illumination unit according to claim 7, wherein said diffractive grating structure (21) comprises at least a grating bulk material (21b), in particular having or forming a first or a light incidence surface (20a), or face.
- 9. (Currently Amended) An illumination Illumination unit according to claim 8, wherein said grating bulk material (21b) is provided with an alternating sequence of concave areas or recesses (21r) and convex areas or protrusions (21p), in particular in or on said first or light incidence surface (20a) or face of said grating bulk material (21b), so as to form grating line elements (22) of said diffractive grating structure (21).
- 10. (Currently Amended) An illumination Illumination unit according to claim 8,

-5- 00229093

wherein said grating bulk material (21b) is provided with includes a sequence of embedded material portions, so as to form grating line elements (22) of said diffractive grating structure (21).

- 11. (Currently Amended) An illumination Illumination unit according to claim 9, wherein said convex-areas or protrusions (21p), said concave-areas or recesses (21r) and/or said embedded material portions are respectively essentially identical, have a an essentially linear extension and/or are disposed equally spaced and parallely parallel to each other.
- 12. (Currently Amended) An illumination Illumination unit according to elaim 9 claim 10, wherein said concave areas or recesses (21r) of said grating bulk material (21b) and/or said embedded material portions are filled with a filling material.
- 13. (Currently Amended) An illumination Illumination unit according to claim 12, wherein said filling material has a diffraction refraction index which is different from a diffraction refraction index of said grating bulk material (21b).
- 14. (Currently Amended) An illumination Illumination unit according to claim 8, wherein said grating bulk material (21b) is or comprises a plurality of layers.
- 15. (Currently Amended) An illumination Illumination unit according to claim 1, wherein said light selecting element (20) comprises a dichroic multilayer structure (25) comprises an alternating sequence of at least a first layer material (25-1) and a second layer

-6- 00229093

material (25-2), said first and second layer materials (25-1, 25-2) having different refraction indices (n1, n2). being adapted to act as a dichroic spectral filter device for incident primary illumination light (L1).

16. (Currently Amended) An illumination Illumination unit according to claim 15, wherein said dichroic multilayer structure (25) is or comprises an alternating sequence of at and said least a first and second layer material materials (25-1, 25-2) thereof extend in a plane of said light incidence surface (20a) and parallel thereto. and a second layer material (25-2), said first and second layer materials (25-1, 25-2) in particular having different refraction indices (n1, n2).

17. (Currently Amended) An illumination Illumination unit according to elaim 15 claim 10, wherein at least a part of said concave recesses (21r), of said convex protrusions (21p) and at least a part of said embedded material portions (21e) are formed in said dichroic multilayer structure (25). and/or said at least first and second layer materials (25-1, 25-2) thereof extend essentially in the plane of said first or light incidence surface (20a) or face, in particular parallely thereto.

18-19 (Canceled)

-7- 00229093